

EN

INSTALLATION INSTRUCTIONS FOR THE MI-DCMOE OUTPUT MODULE

This manual is intended as a quick reference installation guide. Please refer to the control panel manufacturers installation manual for detailed system information.

The Morley series of modules are a family of microprocessor controlled interface devices permitting the monitoring and/or control of auxiliary devices. The MI-DCMOE is an output module that allows the control of auxiliary devices such as fire shutters or sounders.

A single tri-colour LED indicates the status of the module. In normal conditions, the LED can be set by command from the control panel to blink green when the module is polled. When the control panel switches the relay to the energised state the LED can be set to continuous green.

SPECIFICATIONS

Operating Voltage Range:	15 to 32VDC (Min 16.5VDC for LED operation)
Maximum Standby Current	160 μ A - No Communication
LED Current (Red):	1.5 mA
LED Current (Yellow):	5.5 mA
Isolator features:	see S00-7100
Humidity:	5% to 95% relative humidity (non-condensing)
Maximum Wire Gauge	2.5 mm ²

INSTALLATION

Note: These modules must only be connected to control panels using compatible proprietary analogue addressable communication protocols for monitoring and control.

Morley series modules can be mounted in several ways (See **Figure 1**):

1:1 An M200E-SMB custom low profile surface-mounting box. The SMB Base is affixed to mounting surface, and then the module and cover are screwed onto the base using the two screws supplied. Box dimensions: 132 mm (H) x 137 mm (W) x 40 mm (D)

1:2 The DIN bracket on top allows mounting onto standard 35 mm x 7.5 mm "Top Hat" DIN rail inside a control panel or other suitable enclosure. Install and remove as shown in **Figure 1:2**.

Wiring to all series Morley modules is via plug in type terminals capable of supporting conductors up to 2.5 mm²

CAUTION

Disconnect loop power before installing modules or sensors.

The module address is selected by means of rotary decade address switches (see **Figure 4**). A screwdriver should be used to rotate the wheels to select the desired address, either from the front or the top of the module. (Note: The number of addresses available will be dependent on panel capability, check the panel documentation for information on this.)

Short Circuit Isolators

All Morley series modules are provided with short circuit monitoring and isolators on the intelligent loop. If required the isolators may be wired out of the loop to facilitate the use of the modules on high current loaded loops, for example if sounders are used. To achieve this, the loop out positive should be wired to terminal 5 rather than terminal 2. See the relevant wiring diagram for details.

MI-DCMOE WIRING

The MI-DCMOE can be wired for either **Supervised** (**Figure 2**) or **Non-Supervised** (**Figure 3**) operation respectively.

CAUTION

Electrostatic Sensitive Device
Observe precautions when handling and making connections

MI-DCMOE Single Output Module with Supervised Output

When the module is used in supervised mode and power is supplied to the module, a switched negative input on terminal 12 can be used to signal an external fault condition, such as a power supply fault. Loss of power is also supervised in this mode such that if the supply voltage falls below 7V a fault indication is achievable. Note that the use of this fault mode is dependant on panel software. Please contact the panel manufacturer for further details.

PSU monitoring is not available when the module switches the output to **Alarm**.

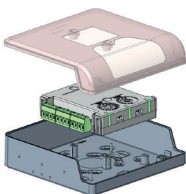
Wire as follows (see **Figure 2**):

- a: T1 Loop Output -. b: T2 Loop Output +. c: T3 Loop Input -. d: T4 Loop Input +
- e: T5 Loop Output +. If short circuit isolation is not required, loop output+ should be wired to terminal 5 and not 2. Terminal 5 is internally connected to terminal 4.
- f: To enable output circuit supervision, the link supplied must be fitted across terminals 6 and 7, and the load must be polarised.

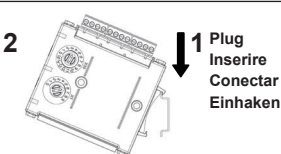
Fig./Abb. 1

1:2 DIN

1:1 M200E-SMB

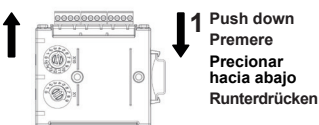


Rotate 2
Ruotare
Girar
Drehen



3 Clip / Agganciare
Acoplar / Einrasten

Lift 3
Sollevare
Levantar
Anheben



2 Rotate / Ruotare
Girar / Drehen

Fig./Abb. 2

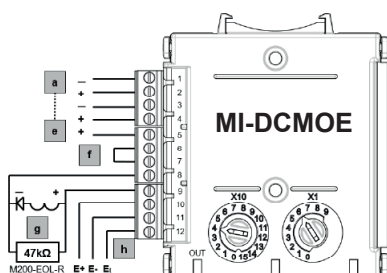


Fig./Abb. 3

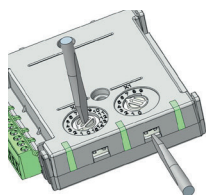
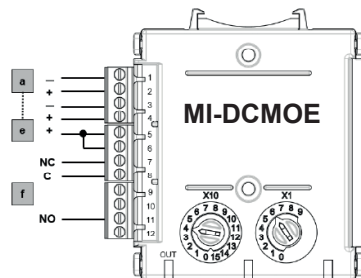


Fig./Abb. 4

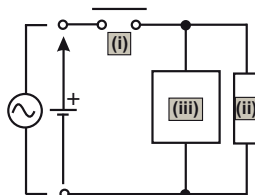


Fig./Abb. 5



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Honeywell Morley-IAS
Pittway Tecnologica S.r.l
Via Caboto 19/3
34147 Trieste, Italy